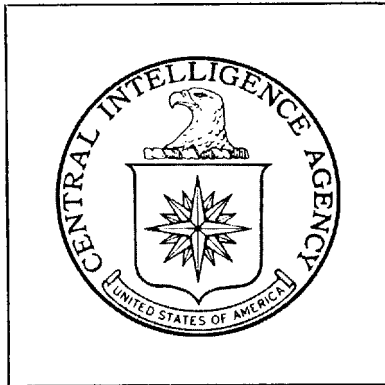


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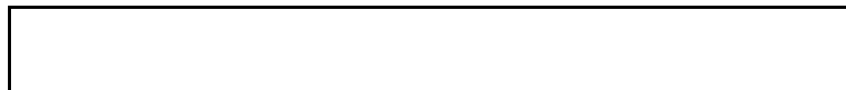
DIRECTORATE OF
INTELLIGENCE

Declass Review by NIMA/DOD

Imagery Analysis Report

Vladivostok Shipyard 202

Vladivostok, USSR



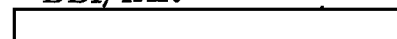
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IMAGERY ANALYSIS SERVICE

VLADIVOSTOK SHIPYARD 202

VLADIVOSTOK, USSR

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25X1

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IMAGERY ANALYSIS SERVICE



FIGURE 1. VLADIVOSTOK SHIPYARD 202,

25X1

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25X1

25X1

IMAGERY ANALYSIS SERVICE

SHIPYARD : VLADIVOSTOK SHIPYARD 202
 LOCATION : VLADIVOSTOK, USSR
 GEO COORDS: 43-07N 131-55E

25X1

KEY TO NUMBERED ANNOTATIONS ON FIGURE 2

1. SEVASTOPOL Class Refrigerated Transport in Floating Dock (LOA approximately 430 feet)*
2. Floating Dock (LOA approximately 440 feet)
3. Probable KRILON Passenger Ship (apparent LOA approximately 390 feet)
 Although this vessel appears proportionately identical in topside detail to the KRILON described in ONI 36-1J, Communist Bloc Merchant Ships, the [REDACTED]
4. MIKHAIL KALININ Class Passenger Ship (LOA approximately 400 feet)
5. VOLGOLES Class Timber Carrier (LOA approximately 410 feet)
6. KOTLIN Class DD (LOA approximately 410 feet)
 See Annotation 2, Figure 2, [REDACTED]
7. Two KRONSTADT Class PC (LOA of each approximately 170 feet)
 These berthing spaces were empty on [REDACTED]
8. SKORYY Class DD (LOA approximately 390 feet)
 This berthing space was unoccupied on [REDACTED]
9. Unidentified Possible Icebreaker (LOA approximately 200 feet)
 Identification as a possible icebreaker is based on the wide beam and the position and size of the superstructure.
10. Two Small Fuel Barges (lengths overall of these barges from left to right are 140 and 165 feet respectively)
11. Probable VODA Class AW (LOA approximately 270 feet)
 Identification of this vessel is based on length overall and proportional analysis of topside detail.
12. MP-6 Class LSC (LOA approximately 250 feet)
13. Two KHABAROV Class ADGs (LOA of each approximately 150 feet)

25X1

25X1

25X1

25X1

25X1

25X1

* [REDACTED]

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25X1

25X1

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25X1

25X1

IMAGERY ANALYSIS SERVICE

14. Unidentified Small Probable Cargo Vessel (LOA approximately 140 feet)
15. Possible MP-4 Class LSC (LOA approximately 170 feet)
This is possibly the version of the MP-4 Class LSC which has two cranes in the well deck as described in DIA PC 230/2-1, Naval Ships of the USSR.
16. Fuel Barge (LOA approximately 115 feet)
17. MP-6 Class LSC (LOA approximately 250 feet)
18. Unidentified Small Probable Cargo Vessel (LOA approximately 145 feet)
19. LUZA Class AL (LOA approximately 200 feet)
20. Possible KOLOMNA Class Merchant Ship (LOA approximately 335 feet)
[REDACTED]
21. INGUL Class ARC (LOA approximately 430 feet)
22. Large Floating Crane (platform dimensions approximately 70 by 140 feet)
This crane occupied the same position on [REDACTED]
23. Unidentified Merchant Ship (LOA approximately 270 feet)
See Annotation 10, Figure 2, [REDACTED]

25X1

25X1

25X1

KEY TO FACILITY ANNOTATION ON FIGURE 2



25X1

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25X1

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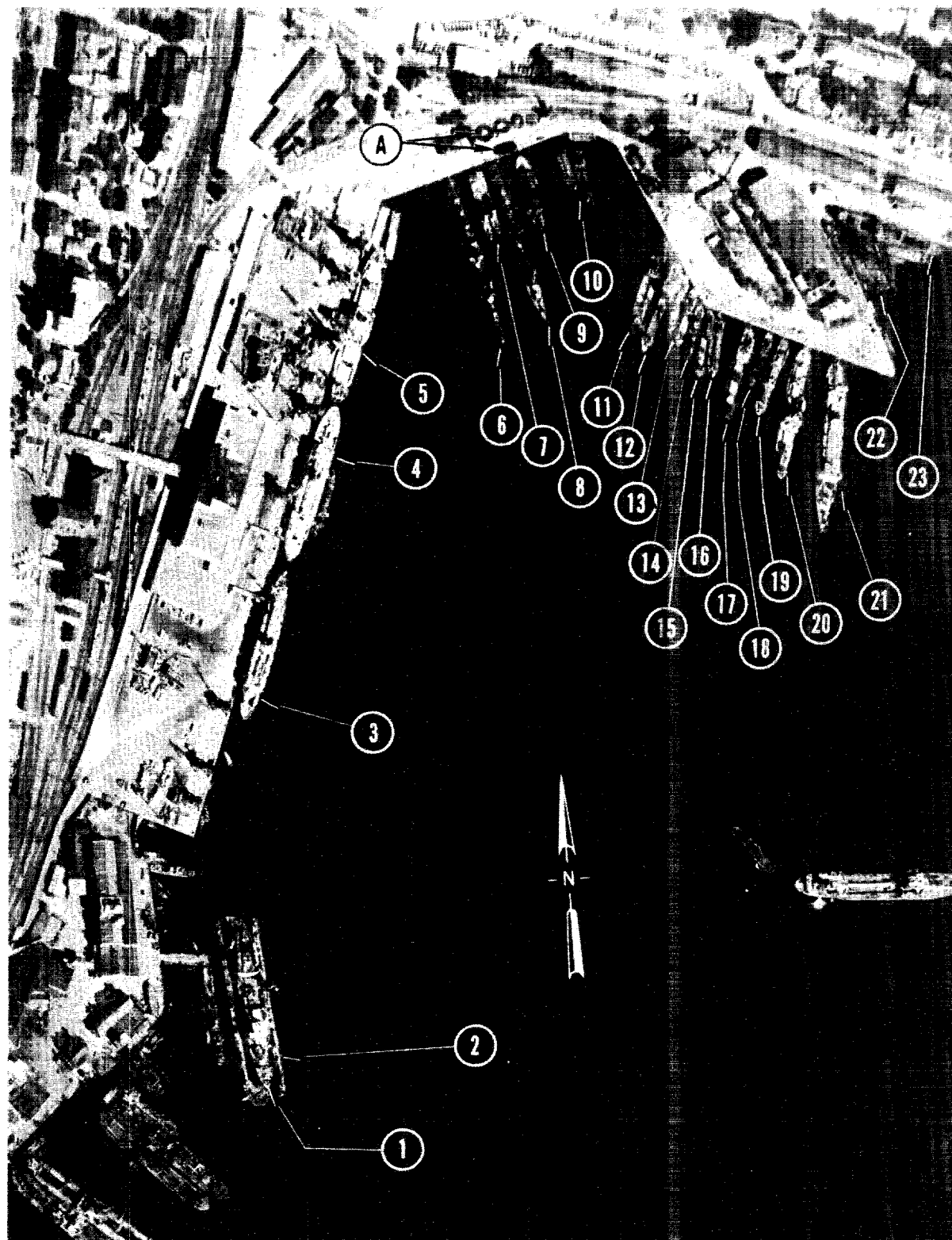


FIGURE 2. VLADIVOSTOK SHIPYARD 202,

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25X1

25X1

IMAGERY ANALYSIS SERVICE

SHIPYARD : VLADIVOSTOK SHIPYARD 202
 LOCATION : VLADIVOSTOK, USSR
 GEO COORDS: 43-07N 131-55E

25X1

KEY TO NUMBERED ANNOTATIONS ON FIGURE 3

1. Possible ATLANT Class ATR (LOA approximately 165 feet)
 Identification is based on the length overall and proportional analysis of topside detail. This berthing space was previously occupied by an unidentified MSM. See Annotation 11, Figure 2, [REDACTED] 25X1
2. MP-4 Class LSC (LOA approximately 170 feet)
 See Annotation 12, Figure 2, [REDACTED] 25X1
3. KEYLA Class Cargo Vessel (LOA approximately 260 feet)
 See Annotation 13, Figure 2, [REDACTED] 25X1
4. Unidentified Small Cargo Vessel (LOA approximately 155 feet)
 See Annotation 14, Figure 2, [REDACTED] 25X1
5. Unidentified Vessel (LOA approximately 170 feet)
 See Annotation 15, Figure 2, [REDACTED] 25X1
6. Unidentified Small Vessel (LOA approximately 110 feet)
 See Annotation 17, Figure 2, [REDACTED] 25X1
7. Two Small Fuel Barges (Lengths overall from left to right are 145 and 80 feet respectively)
 See Annotation 17, Figure 2, [REDACTED] 25X1
8. OKHTENSKIY Class ATR (LOA approximately 155 feet)
 See Annotation 17, Figure 2, [REDACTED] 25X1
9. Unidentified Vessel (LOA approximately 170 feet)
 See Annotation 17, Figure 2, [REDACTED] 25X1
10. Unidentified Vessel (LOA approximately 150 feet)
 See Annotation 17, Figure 2, [REDACTED] 25X1
11. [REDACTED] Ship (LOA approximately 335 feet)
 This pier was unoccupied on [REDACTED] 25X1
12. Unidentified Vessel (LOA approximately 250 feet)
 See Annotation 18, Figure 2, [REDACTED] 25X1
13. Probable KHABAROV Class AKL (LOA approximately 150 feet)
 This berthing space was unoccupied on [REDACTED] 25X1

25X1

25X1

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25X1

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25X1

IMAGERY ANALYSIS SERVICE

25X1

14. Unidentified Vessel with Large Crane Amidships (LOA approximately 195 feet)
This berthing space was unoccupied on [REDACTED]

25X1

15. Two Unidentified Barges (Lengths overall from left to right are approximately 180 and 140 feet respectively)
See Annotation 19, Figure 2, [REDACTED]

25X1

16. Probable YAGT (LOA approximately 220 feet)
This probable YAGT is in a small 130-foot floating dock.
See Annotation 20, Figure 2, [REDACTED]

25X1

17. MP-4 Class LSC (LOA approximately 170 feet)
This LSC is in a small 130-foot floating dock. See Annotation 21, Figure 2, [REDACTED]

25X1

18. Two Small Floating Docks (LOA of each approximately 130 feet)
On previous coverage [REDACTED] these positions were occupied by four unidentified vessels.

25X1

19. OKHTENSKIY Class ATR (LOA approximately 155 feet)
See Annotation 22, Figure 2, [REDACTED]

25X1

20. OKEAN Class Trawler/AGI (LOA approximately 165 feet)
See Annotation 23, Figure 2, [REDACTED]

25X1

21. DNEPR Class Trawler/AGI (LOA approximately 175 feet)
See Annotation 24, Figure 2, [REDACTED]

25X1

22. KHABAROV Class AKL/AGI (LOA approximately 150 feet)
See Annotation 25, Figure 2, [REDACTED]

25X1

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25X1

25X1

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25X1

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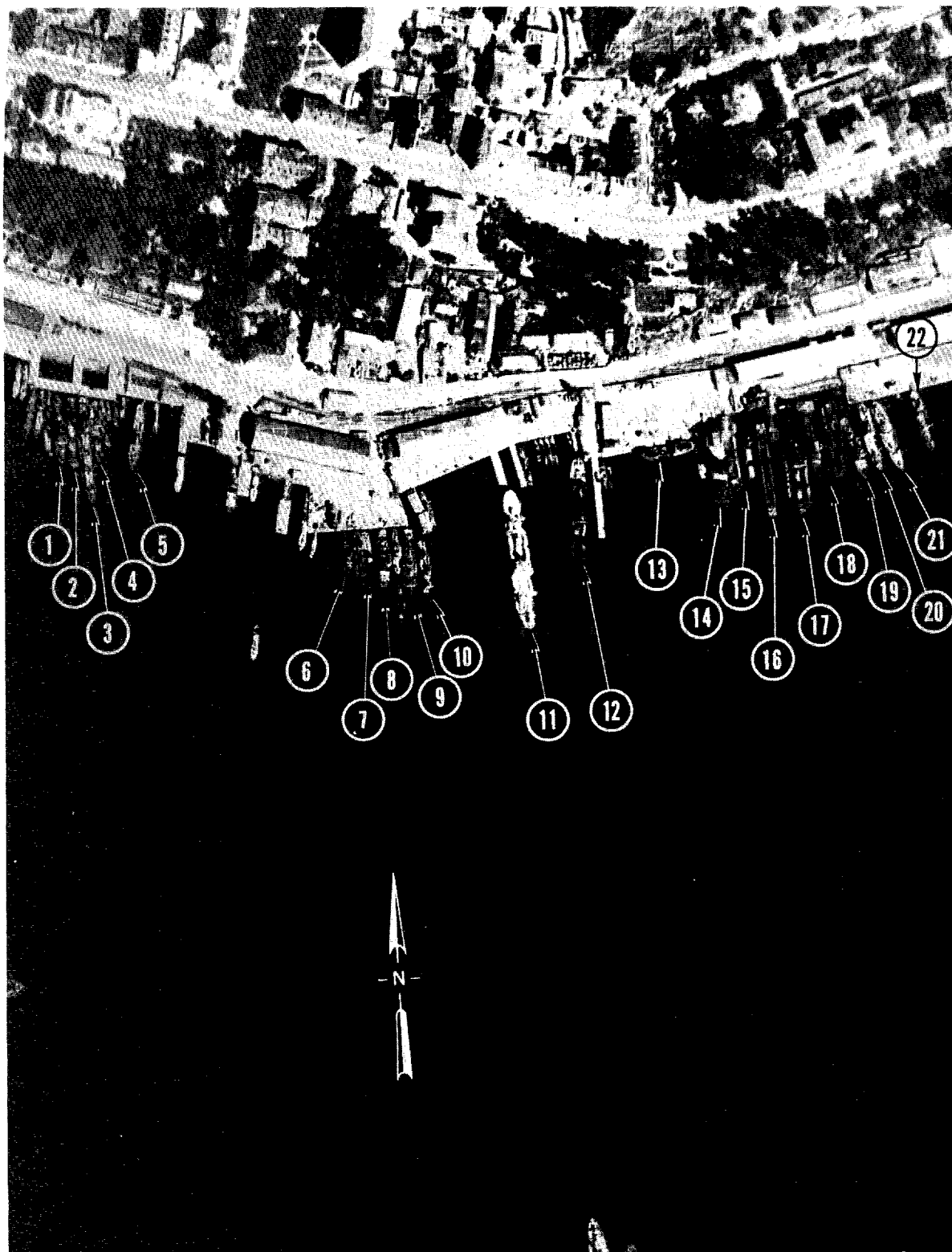


FIGURE 3. VLADIVOSTOK SHIPYARD 202,

25X1

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25X1

25X1

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TOP SECRET

25X1

IMAGERY ANALYSIS SERVICE

25X1

SHIPYARD : VLADIVOSTOK SHIPYARD 202
LOCATION : VLADIVOSTOK, USSR
GEO COORDS: 43-07N 131-55E

25X1

KEY TO NUMBERED ANNOTATIONS ON FIGURE 4

1. Floating Crane
This position was unoccupied on [REDACTED] 25X1
2. YURKA Class MSM (LOA approximately 165 feet)
This space was unoccupied on [REDACTED] 25X1
3. Khabarov Class ADG in Floating Dock (LOA approximately 150 feet)
This position in the floating dock was occupied by a TELNOVSK Class
AKL on [REDACTED] 25X1
4. Floating Dock (LOA approximately 425 feet)
See Annotation 3, Figure 3, [REDACTED] 25X1
5. T-43 Class MSF in Floating Dock (LOA approximately 190 feet)
[REDACTED] 25X1
6. OKHTENSKIY Class ATR in Floating Dock (LOA approximately 160 feet)
This position in the floating dock was previously occupied by an un-
identified vessel. See Annotation 4, Figure 3, [REDACTED] 25X1
7. MP-4 Class LSC (LOA approximately 170 feet)
See Annotation 5, Figure 3, [REDACTED] 25X1
8. Three Probable Medium Trawlers (Lengths overall from left to right
are approximately 140, 140 and 130 feet respectively)
See Annotation 7, Figure 3, [REDACTED] 25X1
9. Two Possible LARGA Class Seal Hunters (LOA of each approximately 135
feet)
Identification based on length-overall and proportional analysis of
topside detail. See Annotation 7, Figure 3, [REDACTED] 25X1
10. Unidentified Vessel (LOA approximately 180 feet)
This position was unoccupied on [REDACTED] 25X1
11. MP-4 Class LSC (LOA approximately 170 feet)
This position was unoccupied on [REDACTED] 25X1

25X1

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25X1

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TOP SECRET

25X1

25X1

IMAGERY ANALYSIS SERVICE

25X1

12. NEPTUN Class ARSD (LOA approximately 170 feet)
This berthing space was previously occupied by a PRUT Class ASR.
See Annotation 8, Figure 3, [REDACTED] 25X1
13. POTI Class PC (LOA approximately 195 feet)
This position was previously occupied by a PRUT Class ASR. See
Annotation 8, Figure 3, [REDACTED]
14. ATREK Class ASL (LOA approximately 340 feet)
See Annotation 10, Figure 3, [REDACTED] 25X1
15. CHUYLM Class AK (LOA approximately 310 feet)
See Annotation 11, Figure 3, [REDACTED] 25X1
16. Three Probable "W" Class SSs (visible waterline length of each approxi-
mately 250 feet)
See Annotation 12, Figure 3, [REDACTED] 25X1
17. W-Conversion (LONG BIN Type) Class SS (visible waterline length approxi-
mately 260 feet)
This position was unoccupied on [REDACTED] 25X1
18. Occupied Transporter Dock (LOA approximately 350 feet)
The inside length and width of this transporter dock are approxi-
mately 300 and 35 feet. This dock is occupied by a "W" Class SS
with a length-overall of approximately 250 feet. [REDACTED] 25X1
[REDACTED] 25X1
19. LENTRA Class Possible AGI (LOA approximately 130 feet)
[REDACTED] 25X1
20. Floating Crane
This position was previously occupied by a KRUPNYY Class DDGS. See
Annotation 15, Figure 3, [REDACTED]
21. KRUPNYY Class DDGS (LOA approximately 450 feet)
[REDACTED] 25X1
22. SKORYY Class DD (LOA approximately 395 feet)
[REDACTED] 25X1

25X1

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TOP SECRET

25X1

25X1

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IMAGERY ANALYSIS SERVICE

25X1
25X1

23. Unidentified Possible YTM (LOA approximately 110 feet)
Identification as a possible YTM is based on the overall hull outline and the position of the superstructure slightly forward of amidships. This position was previously occupied by an unidentified vessel which was not annotated on the coverage of [REDACTED]

25X1

25X1

24. Probable Modified KOTLIN Class DD in Graving Dock No. 1 (LOA approximately 415 feet)

25X1

25X1

tation 18, Figure 3, [REDACTED]

25. Unidentified Cargo Vessel in Graving Dock No. 1 (LOA approximately 360 feet)
This appears to be the same cargo vessel shown at Annotation 18, Figure 3, [REDACTED]

25X1

26. Probable T-43 Class Modification in Graving Dock No. 1 (LOA approximately 190 feet)

25X1

[REDACTED]
graving dock was previously occupied by a small unidentified vessel which was not annotated on the last coverage ([REDACTED])

25X1

27. MP-4 Class LSC (LOA approximately 170 feet)
This position was unoccupied on [REDACTED] However, there was a MP-4 Class LSC in Graving Dock No. 1 on that date. See Annotation 19, Figure 3, [REDACTED]

25X1

25X1

28. Unidentified Vessel (LOA approximately 260 feet)
See Annotation 21, Figure 3, [REDACTED]

25X1

29. Unidentified Light Cargo Ship (LOA approximately 160 feet)
See Annotation 22, Figure 3, [REDACTED]

25X1

30. G-II Class SSB (visible waterline length approximately 320 feet)

25X1

[REDACTED]
Figure 5 provides an enlargement and more detailed description of this submarine. See Annotation 23, Figure 3, [REDACTED]

25X1

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25X1

25X1

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25X1

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25X1

25X1

31. Support Vessel (LOA approximately 180 feet)

This vessel has been present in this conversion area since [REDACTED]

25X1

[REDACTED] See Annotation 31, Figure 3, [REDACTED]

25X1

32. G-I Class SSB (visible waterline length approximately 320 feet)

25X1

25X1

[REDACTED]
[REDACTED] For an enlargement and a more detailed description of this submarine see Figure 5. See Annotation 24, Figure 3, [REDACTED]

25X1

25X1

33. G-II Class SSB (LOA approximately 320 feet)

25X1

25X1

[REDACTED]
and more detailed description of this submarine. This berthing space was unoccupied on [REDACTED]. There was a G Class SSB in Graving Dock No. 1 on [REDACTED] which is not in the graving dock on this coverage.

34. Floating Crane

This position was occupied by a smaller floating crane on [REDACTED]

25X1

25X1

35. KOTLIN Class DD Undergoing Conversion to DDG (LOA approximately 415 feet)

25X1

25X1

[REDACTED]
more complete description and chronology of the KOTLIN Class conversion program can be found in the Appendix to this report. See Annotation 27, Figure 3, [REDACTED]

36. GORDYY Class Probable AGT (LOA approximately 370 feet)

All major armament has been removed from this vessel. See Annotation 28, Figure 3, [REDACTED]

25X1

37. PETYA Class PCE (LOA approximately 270 feet)

See Annotation 29, Figure 3, [REDACTED]

25X1

38. Unidentified Probable Light Cargo Vessel (LOA approximately 170 feet)

This position was previously occupied by a PETYA Class PCE. See Annotation 29, Figure 3, [REDACTED]

25X1

39. POTI Class PC (LOA approximately 195 feet)

This position was previously occupied by a small unidentified vessel which was not annotated on the previous coverage [REDACTED]

25X1

25X1

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25X1

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25X1

25X1

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25X1

40. PETYA Class PCE (LOA approximately 270 feet)
This position was unoccupied on [REDACTED] However,
there were two PETYAs present in the shipyard in that coverage. See
Annotation 29, Figure 3, [REDACTED]

25X1

25X1

41. YURKA Class MSM (LOA approximately 170 feet)
This position was unoccupied on [REDACTED]

42. Unidentified Vessel (LOA approximately 295 feet)
This position was occupied by a large floating crane on [REDACTED]
[REDACTED]

25X1

25X1

25X1

43. Unidentified Cargo Vessel (LOA approximately 245 feet)
This position was previously occupied by a SOVETSKAYA UKRAINA Class
Whale Factory Ship. See Annotation 30, Figure 3, [REDACTED]

25X1

25X1

44. Floating Crane
This floating crane occupied this position, but was not annotated on
the last coverage [REDACTED]

45. MP-SMB 1 Class LCU (LOA approximately 160 feet)
See Annotation 1, Figure 4, [REDACTED]

25X1

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25X1

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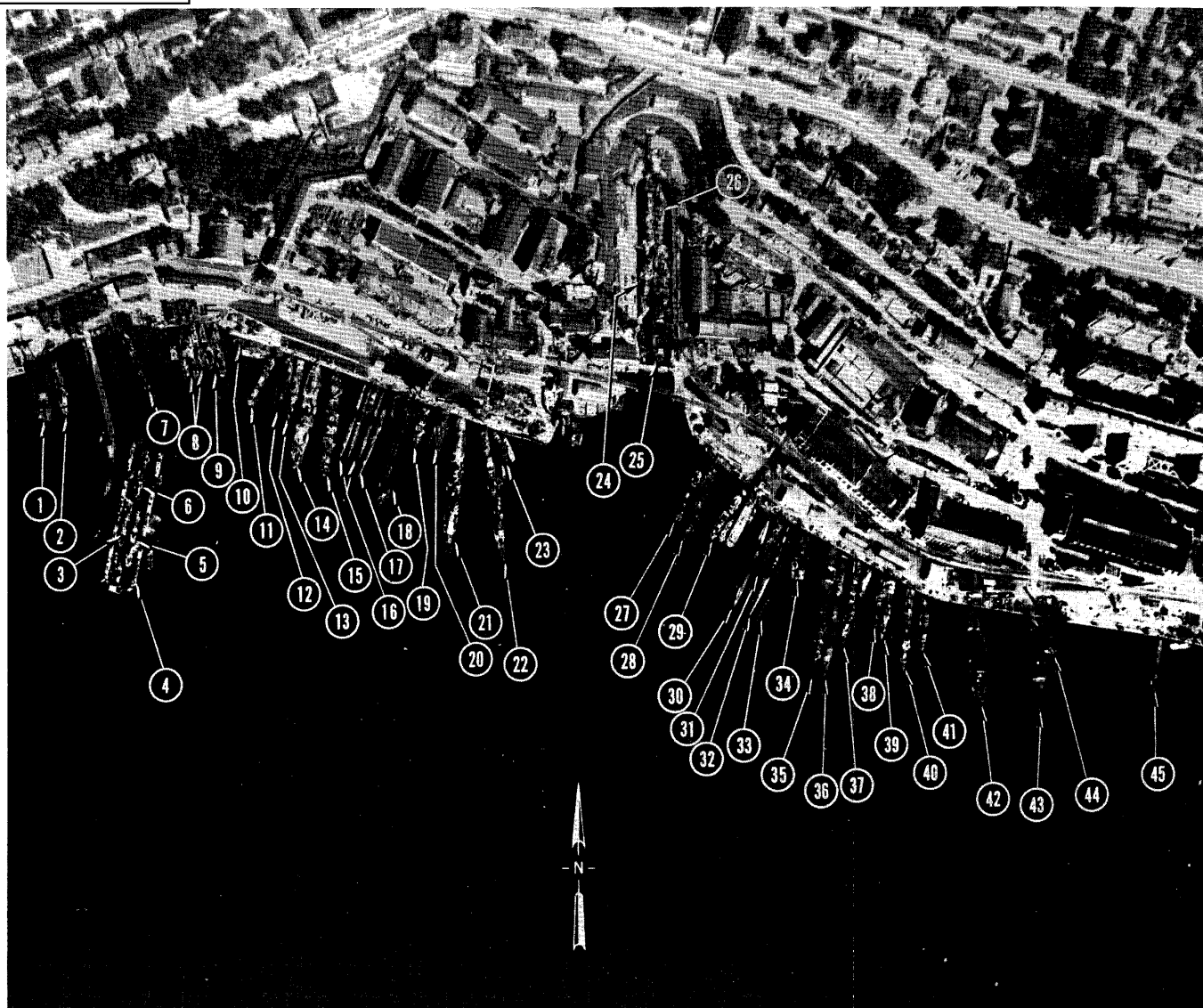


FIGURE 4. VLADIVOSTOK SHIPYARD 202,

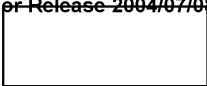
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25X1
25X1
25X1

25X1



TOP SECRET



25X1

25X1




IMAGERY ANALYSIS SERVICE

25X1

SHIPYARD : VLADIVOSTOK SHIPYARD 202
LOCATION : VLADIVOSTOK, USSR
GEO COORDS: 43-07N 131-55E

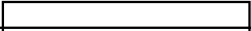


KEY TO ANNOTATIONS ON FIGURE 5

1. G-II Class SSB
This is probably the same submarine which was observed at Annotation 23, Figure 3, 

25X1

25X1

2. 


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3. Support Vessel

25X1



4. G-I Class SSB
This is probably the same submarine which was observed in this position on the previous coverage. See Annotation 24, Figure 3, 

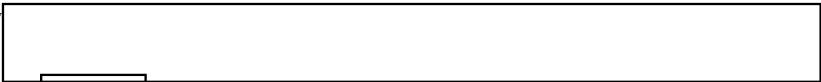
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5. 

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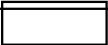
6. 

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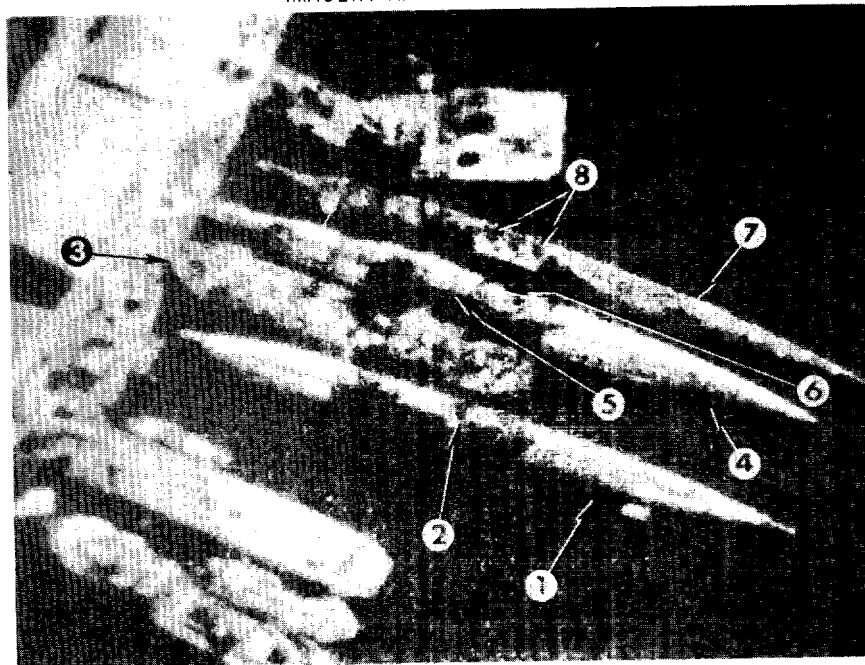


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25X1

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25X1
25X1

25X1

FIGURE 5. G CLASS SSB [REDACTED] VLADIVOSTOK SHIPYARD 202,
[REDACTED]

25X1

8.



25X1

25X1

25X1

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25X1

25X1

IMAGERY ANALYSIS SERVICE

SHIPYARD : VLADIVOSTOK SHIPYARD 202
 LOCATION : VLADIVOSTOK, USSR
 GEO COORDS: 43-07N 131-55E

25X1

KEY TO ANNOTATIONS ON FIGURE 6

25X1

1. Large Floating Crane (platform dimensions approximately 70 by 140 feet)
 A floating crane, possibly equating to this one, was moored along the port side of a SOVETSKAYA UKRAINA Class Whale Factory Ship on [REDACTED]
 [REDACTED] The position now occupied by the crane was unoccupied on that coverage.

25X1

25X1

2. Floating Crane
 This position was occupied by three unidentified small vessels on [REDACTED]

25X1

25X1

3. PAMIR Class ATR (LOA approximately 250 feet)
 See Annotation 4, Figure 4, [REDACTED]

25X1
25X1

4. Unidentified Possible Tug (LOA approximately 180 feet)
 Identification of this vessel as a possible tug is based on the hull outline and the position of the superstructure slightly forward of amidships. [REDACTED]
 [REDACTED] This position was unoccupied on [REDACTED]

25X1

25X1

25X1

5. VALA Class ARR (LOA approximately 255 feet)
 A review of previous coverage of Shipyard 202 reveals that this vessel was under construction on the outboard side launching way in [REDACTED]
 [REDACTED] and was fitting-out at the fitting-out quay in [REDACTED]
 [REDACTED] It was observed in the position it now occupies in [REDACTED]
 [REDACTED] A photo enlargement and line drawings are provided in Figure 7. See Annotation 5, Figure 4, [REDACTED]

25X1

25X1

25X1

25X1

25X1

6. Three MIRNYI Class Whale Catchers (LOA of each approximately 210 feet)
 See Annotation 6, Figure 4, [REDACTED]

25X1

7. Floating Shear Legs Crane
 This position was occupied by an unidentified possible merchant ship on [REDACTED]

8. TAVRIYA Class Merchant Ship (LOA approximately 325 feet)
 This position was unoccupied on [REDACTED]

25X1

9. AKTYUBINSK Class Refrigerated Transport (LOA approximately 425 feet)
 This position was unoccupied on [REDACTED]

25X1

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25X1

25X1

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25X1

25X1

IMAGERY ANALYSIS SERVICE

10. Probable UMBA Class Refrigerated Transport (LOA approximately 240 feet)

This position was unoccupied on

25X1

11. Floating Crane

This position was unoccupied on

25X1

12. T-43 Class MSF (LOA approximately 190 feet)

This position was unoccupied on

25X1

13. KHABAROV Class Probable AGI (LOA approximately 150 feet)

25X1

See Annotation 10, Figure 4,

25X1

25X1

14. Unidentified Vessel (LOA approximately 290 feet)

See Annotation 11, Figure 4,

25X1

15. Unidentified Possible Tug (LOA approximately 100 feet)

16. LENTRA Class Possible AKL (LOA approximately 130 feet)

This position was occupied by several small unidentified craft on

25X1

17. Z-Conversion (Z-V) Class SSB (visible waterline length approximately 295 feet)

This position was occupied by an unidentified small vessel on

25X1

25X1

18. "F" Class SS (visible waterline length approximately 300 feet)

See Annotation 12, Figure 4,

25X1

- 19.

25X1

Figure 4,

25X1

20. Modified Z Class SS (visible waterline length approximately 310 feet)

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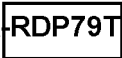
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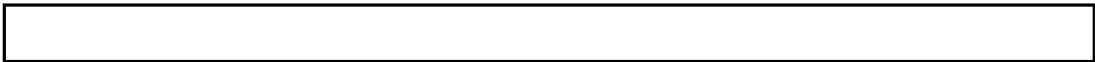
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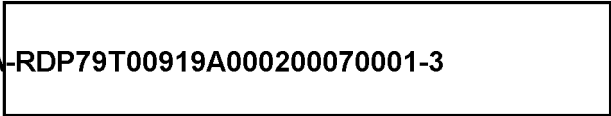
No. 1 in [redacted] See Erratum [redacted]
to Annotation 19, Figure 2, [redacted] and Figure 6,
[redacted]

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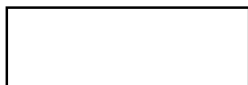
21. W Class SS (visible waterline length approximately 250 feet)
See Annotation 14, Figure 4, [redacted]

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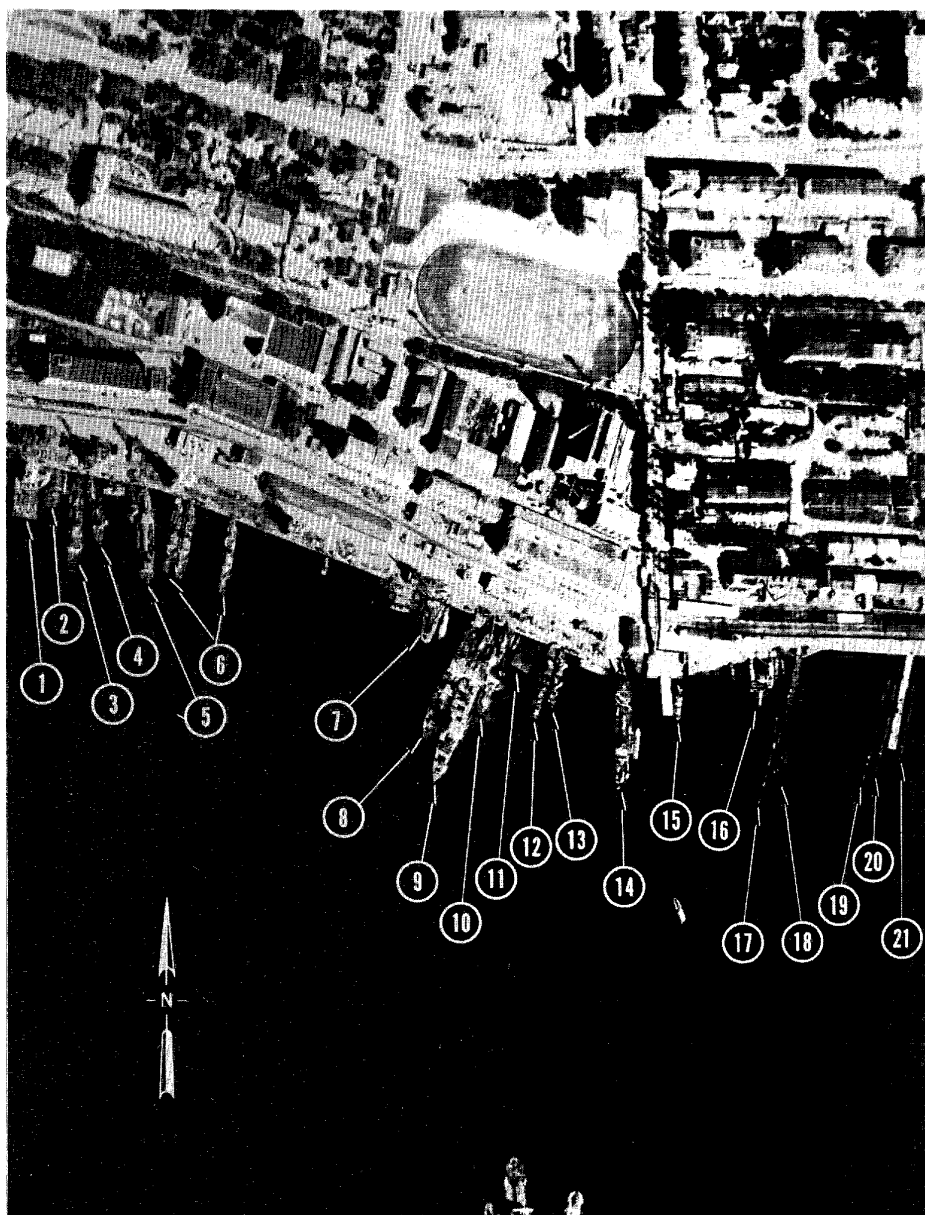
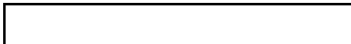
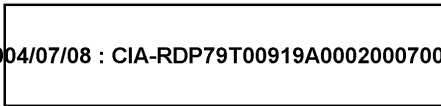


FIGURE 6. VLADIVOSTOK SHIPYARD 202,



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SHIPYARD : VLADIVOSTOK SHIPYARD 202
LOCATION : VLADIVOSTOK, USSR
GEO COORDS: 43-07N 131-55E

KEY TO ANNOTATIONS ON FIGURE 9

1. Probable L-III OSS (LOA approximately 275 feet)
See Annotation 15, Figure 4, [REDACTED]
2. Unoccupied Transporter Dock (LOA approximately 350 feet)
The inside dimensions of the transporter dock are approximately [REDACTED]
[REDACTED] See Annotation 17, Figure 4, [REDACTED]
3. Probable New Class AEM/ASL at the Fitting-out Quay (LOA approximately 305 feet)
See Annotation 5, Figure 5, [REDACTED]
4. Unidentified Possible New Class Auxiliary/Merchant Ship Fitting-out
[REDACTED]
to this one was observed under construction on the outboard side launching way in [REDACTED] This vessel was observed at the fitting-out quay in [REDACTED] A photographic enlargement and line drawings of this vessel are provided in Figure 10. See Annotation 1, Figure 5, [REDACTED]
5. PEVEK Class Tanker (LOA approximately 350 feet)
See Annotation 2, Figure 5, [REDACTED]
6. Unidentified Vessel (LOA approximately 180 feet)
See Annotation 3, Figure 5, [REDACTED]
7. Unidentified Hull Under Construction on the Outboard Side Launching Way
The approximate length of the keel block arrangement on the side launching way is 200 feet. This buildingway was unoccupied on [REDACTED]
[REDACTED]
8. MP-SMB 1 Class LCU (LOA approximately 150 feet)
This position was previously unoccupied [REDACTED]
9. Unidentified Probable Merchant Ship (LOA approximately 320 feet)
This position was unoccupied on [REDACTED]
10. Very Large Floating Crane (platform dimensions approximately 95 by 170 feet)
This position was unoccupied on [REDACTED]

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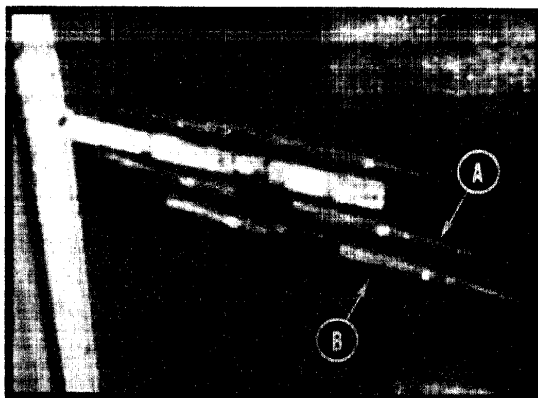
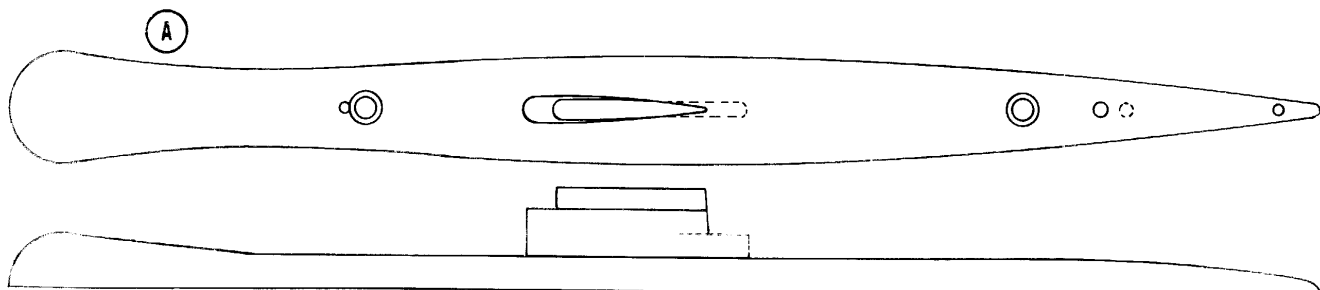
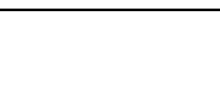
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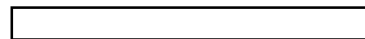
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Horizontal Dimensions are Approximate

Vertical Dimensions are Estimated



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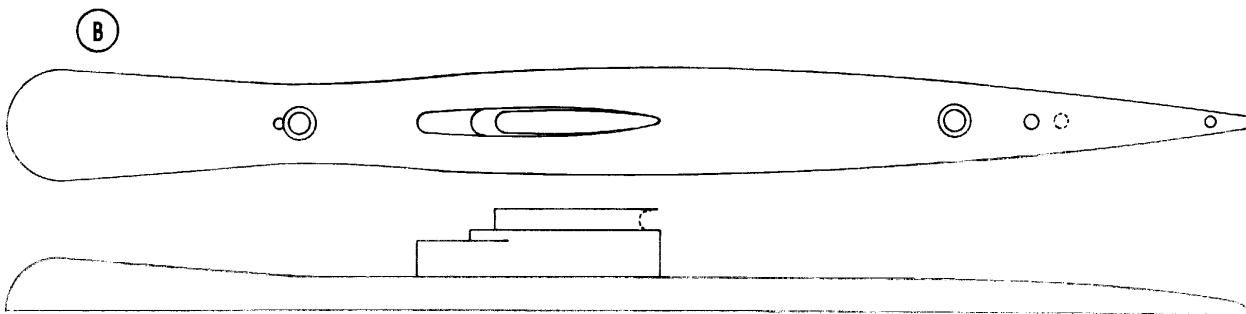
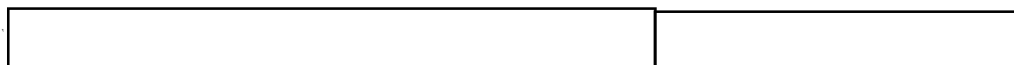
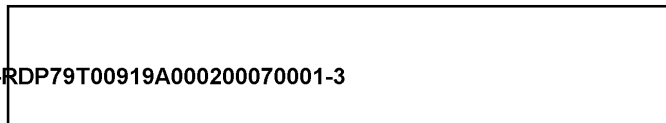


FIGURE 8.



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11. MIRNYY Class Whale Catcher in Graving Dock No. 2 (LOA approximately 210 feet)
See Annotation 7, Figure 5, [REDACTED]

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12. W/R Class SS in Graving Dock No. 3 (apparent LOA approximately 240 feet)

[REDACTED] See Annotation 9, Figure 5, [REDACTED]

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13. Unidentified Vessel in Graving Dock No. 3 (LOA approximately 170 feet)

14. KHABAROV Class Probable AKL in Graving Dock No. 3 (LOA approximately 150 feet)

15. Large Floating Crane (platform dimensions approximately [REDACTED])
This position was occupied by a 120-foot unidentified vessel on [REDACTED]

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16. POLYARNIK AO in Graving Dock No. 2 (LOA approximately 420 feet)
See Annotation 4, Figure 5, [REDACTED]

17. Unidentified Vessel in Graving Dock No. 2 (LOA approximately 175 feet)

18. Unidentified Vessel in Graving Dock No. 2 (LOA approximately 110 feet)

19. Modified SKORYY Class DD in Graving Dock No. 3 (LOA approximately 395 feet)

20. DOBRYNYA NIKITICH Class AGBL in Graving Dock No. 3 (LOA approximately 220 feet)

21. Unidentified Possible Tug in Graving Dock No. 3 (LOA approximately 145 feet)

22. Probable W Class SS in Graving Dock No. 3 (LOA approximately 250 feet)

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KEY TO FACILITY ANNOTATION ON FIGURE 9

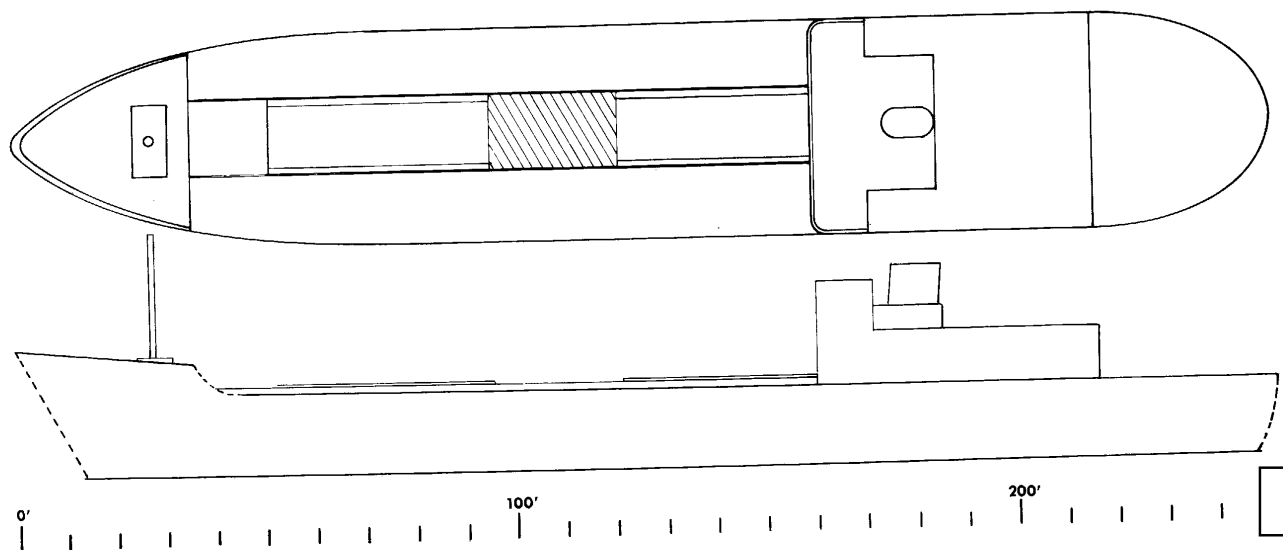
- A. Probable Fabrication and Machine Shop Complex
A photographic enlargement and a line drawing of this complex are provided in Figure 11. The line drawing shows how much has been added to this complex since [redacted]. Specifically, the southern large probable fabrication/machine shop has been considerably enlarged, and two small probable administration/support buildings have been built at the north end of the smaller probable machine shop. There is presently construction underway on the east side of the probable machine shop in form of a line of probable footings extending southeast from the northeast corner of the building for approximately 150 feet.

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Horizontal Dimensions are Approximate
Vertical Dimensions are Estimated

FIGURE 10. UNIDENTIFIED POSSIBLE NEW CLASS AUXILIARY/MERCHANT SHIP, VLADIVOSTOK SHIPYARD 202,

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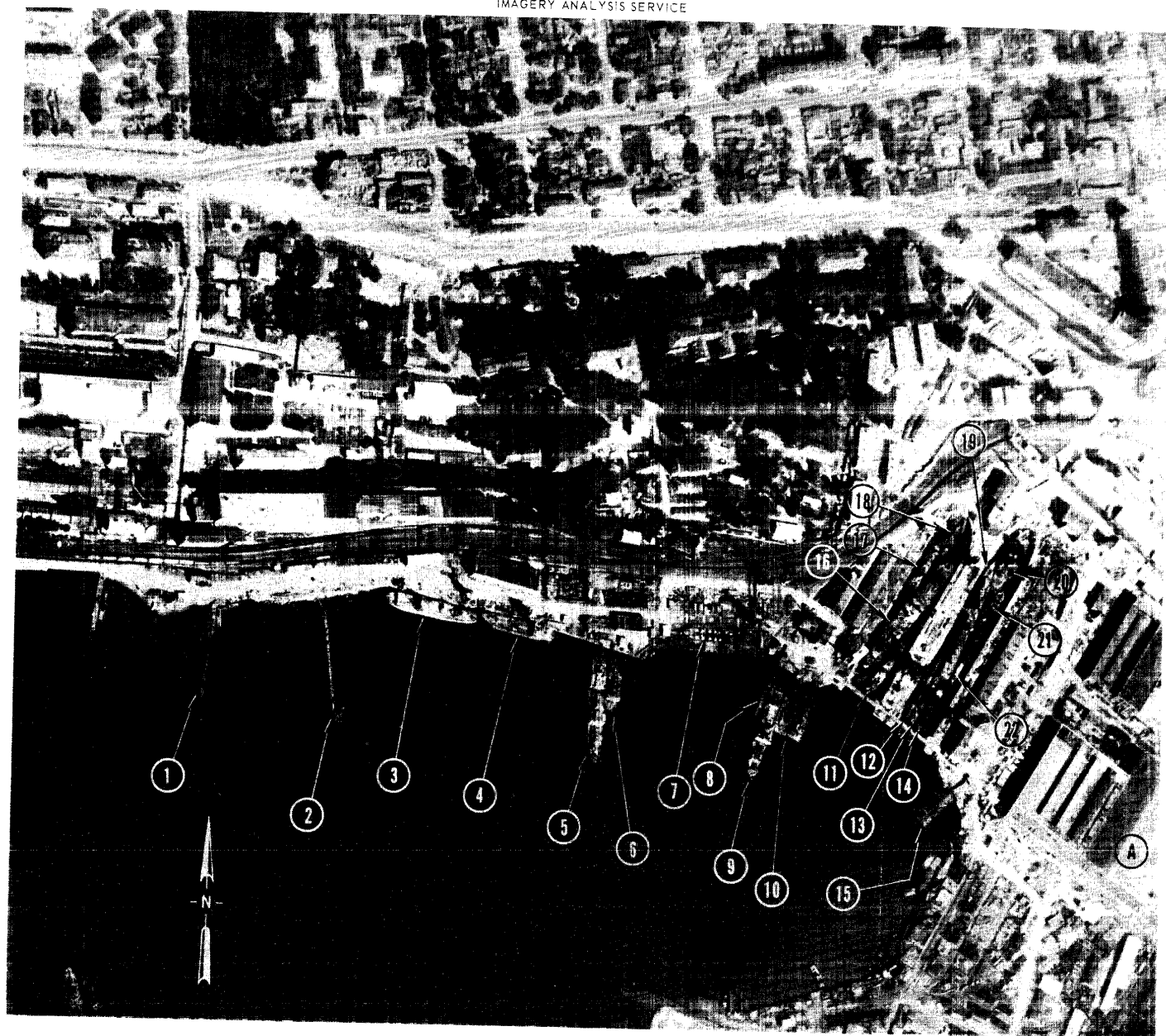


FIGURE 9. VLADIVOSTOK SHIPYARD 202

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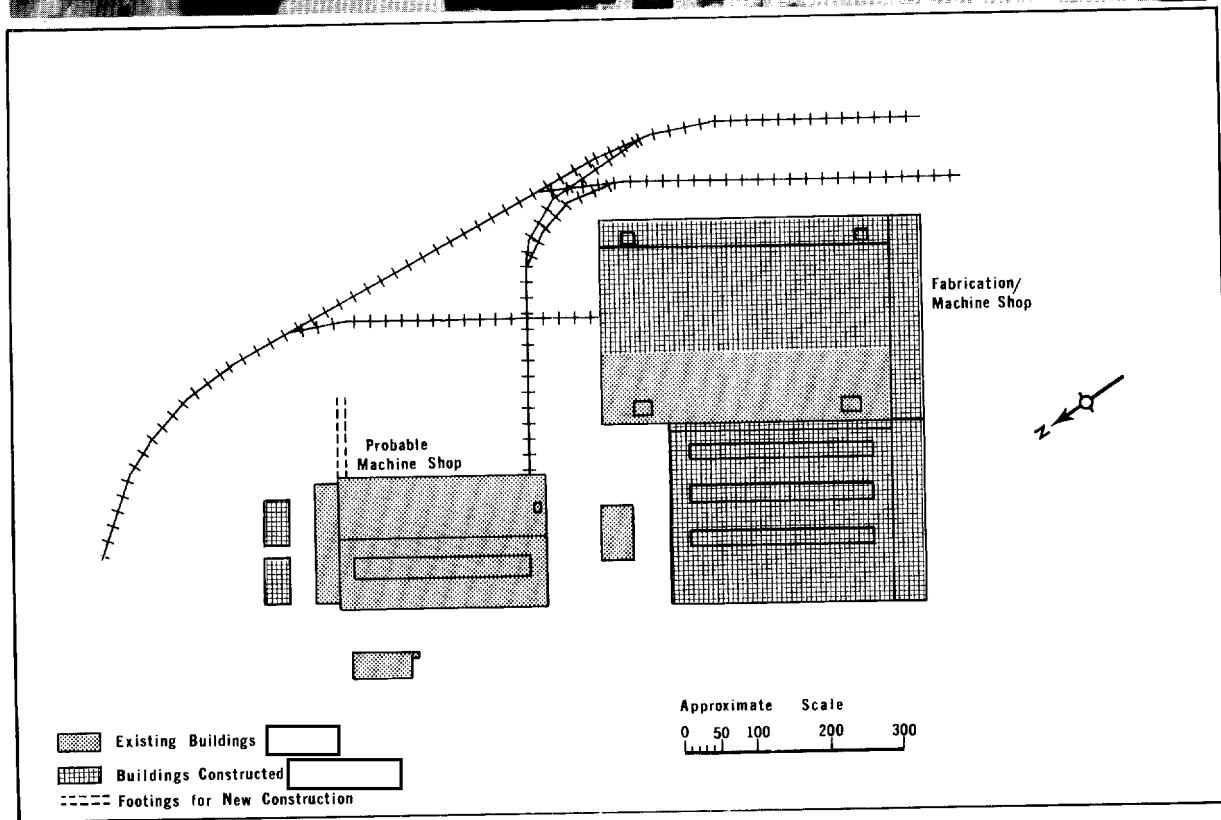
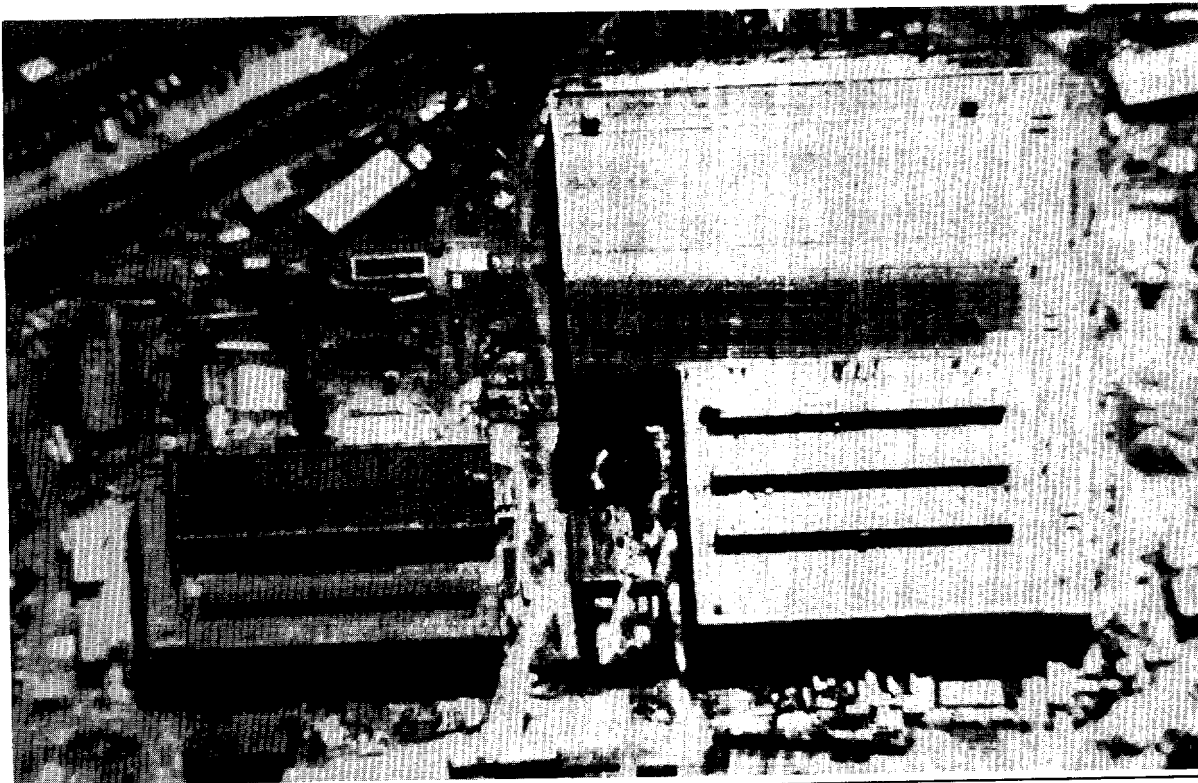
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FIGURE 11. PROBABLE FABRI CATION AND MACHINE SHOP COMPLEX, VLADIVOS TOK SHIPYARD 202,

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APPENDIX

STATUS OF THE KOTLIN CONVERSION PROGRAM
 NIKOLAYEV SHIPYARD 445 AND VLADIVOSTOK SHIPYARD 202

A review of all available [] of Nikolayev Shipyard 445 and Vladivostok Shipyard 202 through [] confirms that the conversion of KOTLIN Class Destroyers (DDs) to Guided Missile Destroyers (DEGs) was well underway in [] at Shipyard 445, and by [] at Shipyard 202. The program is estimated to have begun as early as [] at Shipyard 445 and the [] at Shipyard 202.

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The following series of drawings (Figure 12, A through E), illustrating the sequence of strip-down of the DD and reconstruction of the DDG, is based on the assumption that the previously published detailed line drawings (derived from ground photography) of the KOTLIN Class DD and DDG are correct. These drawings were then used as the basis to determine whether or not specific objects or pieces of equipment were in place at a given stage of the conversion process. The sequence of strip-down and reconstruction was found to be approximately the same at both Shipyard 445 and Shipyard 202.

A. KOTLIN CLASS DD

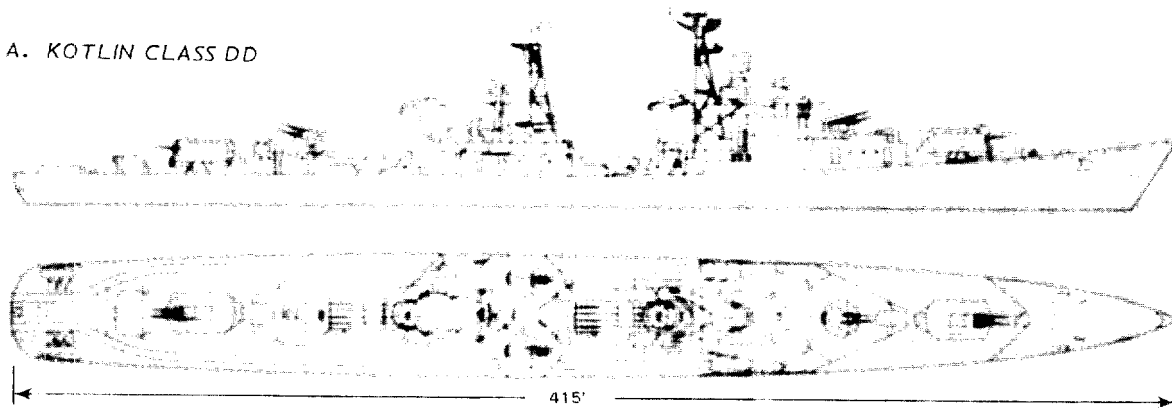


FIGURE 12. CONVERSION SEQUENCE OF KOTLIN CLASS DD TO DDG. (CONTINUED ON FOLLOWING PAGE)

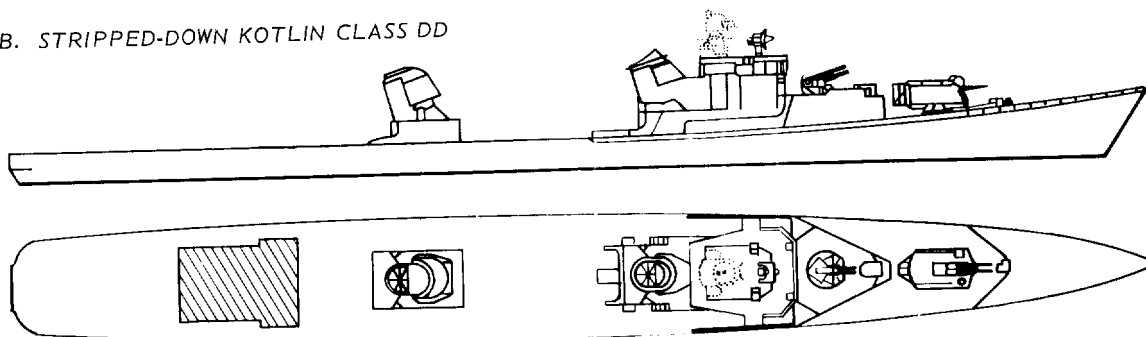
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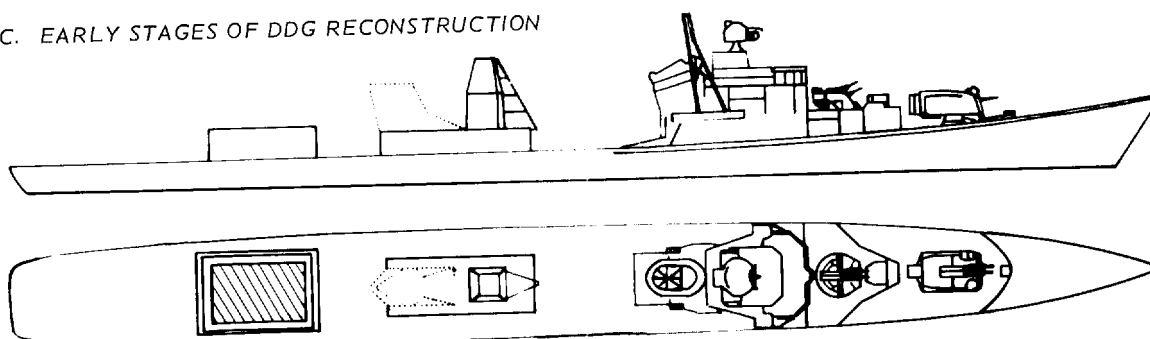
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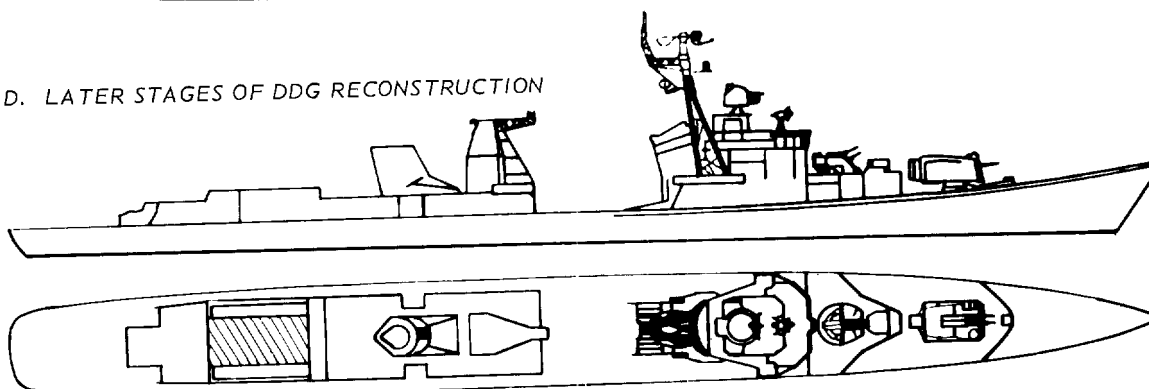
B. STRIPPED-DOWN KOTLIN CLASS DD



C. EARLY STAGES OF DDG RECONSTRUCTION



D. LATER STAGES OF DDG RECONSTRUCTION



E. KOTLIN CLASS DDG

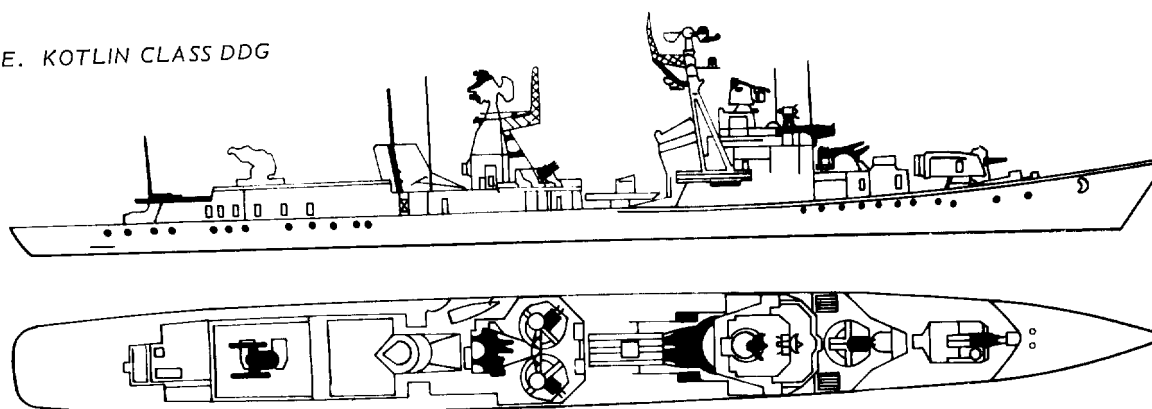


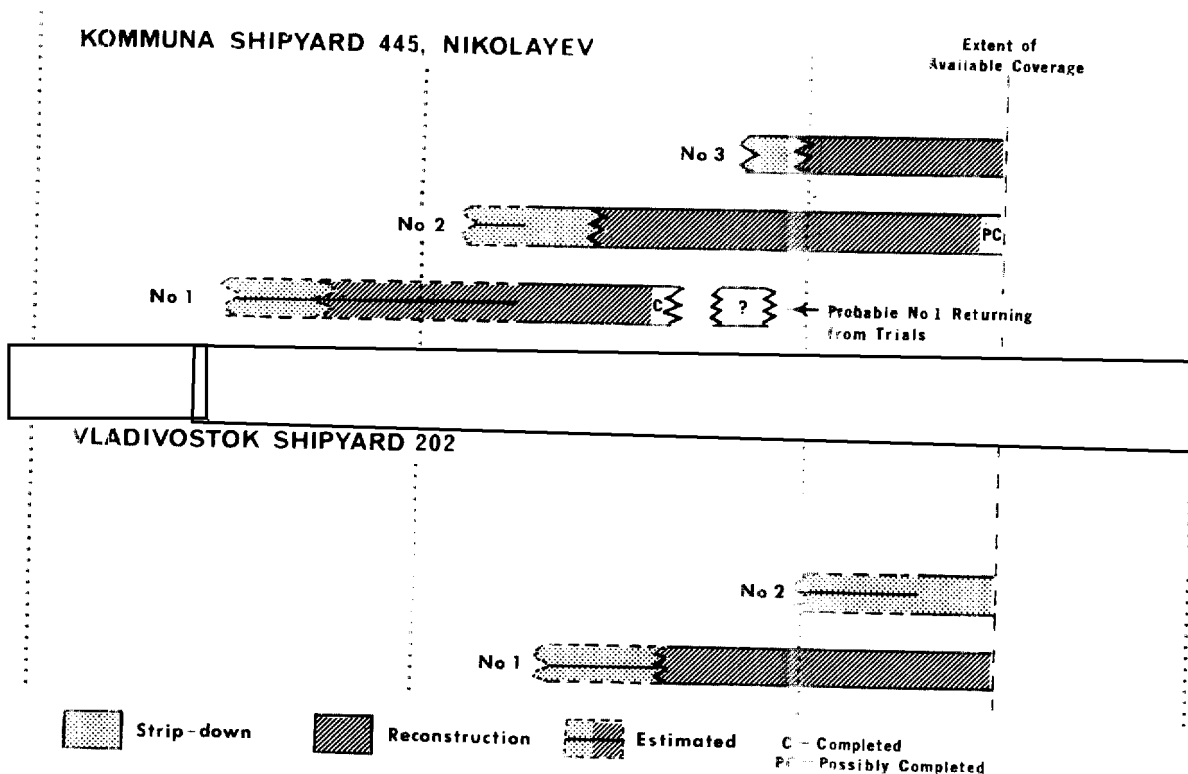
FIGURE 12 (CONT.) CONVERSION SEQUENCE OF KOTLIN CLASS DD TO DDG.

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A bar graph (Figure 13) depicts the status of the KOTLIN conversion program as derived from all available [redacted] through [redacted]. The status as shown on the bar graph indicates that one and possibly two KOTLIN Class DDs have been completely converted to DDGs at Shipyard 445 (No. 2 at Shipyard 445 appeared to be structurally complete in [redacted] and three KOTLIN Class DDs are presently undergoing conversion to DDGs - two at Shipyard 202 and one at Shipyard 445. If the prototype KOTLIN Class DDG which reportedly underwent conversion in [redacted] is included in the above totals, there are presently two and possibly three completed KOTLIN Class DDGs and three or possibly four KOTLIN Class DDs undergoing conversion to DDGs.

FIGURE 13.

KOTLIN CONVERSION PROGRAM STATUS AS DERIVED FROM [redacted]



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